

In the Specification:

Please **replace** the paragraph at **page 6, lines 4 to 9**, with a replacement paragraph amended as follows:

The guide element is preferably a bushing or guide channel that is so constructed that the centering pin is either easily removable from the bushing or guide channel when the clamping is completed and the drilling can begin or it can be at least moved out of the way for the insertion of the drill bit into the ~~[[same]]~~ guide channel or guide bushing. In this alternative embodiment the centering or locating pin has a longitudinal axis extending at an angle to a drilling axis of the drill bit.

Please **replace** the paragraph at **page 7, lines 3 to 4**, with a replacement paragraph amended as follows:

Fig. 2 shows ~~[[the]]~~ a mechanism similar to that of Fig. 1 cooperating with a handheld power drill; drill driving a drill bit along a drilling axis and with a locating pin movable along a pin axis at an angle to the drilling axis;

Please **replace** the paragraph at **page 7, lines 5 to 6**, with a replacement paragraph amended as follows:

Fig. 3 shows the clamping mechanism of ~~[[Fig. 1]]~~ Fig. 2 cooperating with a power drill and a drilling feed advance unit;

Please **replace** the paragraph at **page 7, line 7**, with a replacement paragraph amended as follows:

Fig. 4 shows a modified embodiment with a clamping ~~screw~~, screw instead of a clamping cam;

Please **replace** the paragraph at **page 8, line 14 to page 9 line 10**, with a replacement paragraph amended as follows:

Further, it is necessary to avoid the entrance of drilling chips between two neighboring structural components and to avoid the formation of burrs along the edges of the drilled holes. The present clamping mechanism 1 achieves these objects with a clamping bail 6 having a first bail leg 7 and a second bail leg 8. The first bail leg 7 carries a first clamping section 9. The second bail leg 8 carries a second clamping section 10. The clamping sections 9 and 10 are axially aligned with each other and leave a clamping space between each other for insertion of at least two structural components 3 and 4 to be clamped for drilling through a predrilled hole 5 or through a premarked location 2. In order to properly align the predrilled hole 5 with a drill bit DB, shown in Fig. 2, the first clamping section 9 comprises a ~~guide element or~~ guide bushing ~~[[or]]~~ including a guide channel 11 that is mounted in or formed in the first clamping section for receiving a removable centering pin 12 which can be inserted into and removed from the guide ~~element~~ channel 11 by the pin handle 12A. When the tip of the pin enters into a predrilled hole 5 or engages a premarked location 2 in the component 4, the

required alignment is assured. The components 3, 4 are now clamped, the centering pin 12 removed and the drill bit DB is inserted into the guide channel 11 for drilling through all clamped components. The centering pin 12 may be secured to the bail 6 by a chain or the like to avoid losing the pin 12.

Please **replace** the paragraph at **page 9, lines 11 to 22**, with a replacement paragraph amended as follows:

The clamping is performed by the elements of the second clamping section 10 having a housing 10A with a bore in which a pressure application member 15 is axially movable in alignment with a central longitudinal axis of the guide channel 11 in the first clamping section 9. This central longitudinal axis is the drilling axis along which the drill bit DB is advanced. Preferably the pressure member 15 has a central coaxial dead end cavity 15A that opens toward the component 3 to permit entry of the drill bit DB tip into the cavity 15A when the drilling of the hole through all components 3, 4 is completed. Drilling chips that may be pushed out of the drilled hole by the drill bit will be collected in the cavity 15A which is preferably connected to a suction hose or pipe, not shown, for removing any drilling chips from the cavity 15A.

Please **replace** the paragraph at **page 10, line 17 to page 11, line 14**, with a replacement paragraph amended as follows:

Fig. 2 shows ~~[[the]]~~ a clamping mechanism ~~[[of]]~~ which has been modified compared to [[Fig. 1]] Fig. 1. The clamping mechanism ~~cooperating~~ cooperates with a power driven drill or drilling tool 16 equipped with an angle chuck 16A that drives the drill bit DB guided by the guide channel 11 into the marked position 2 or into the predrilled hole 5. For this purpose ~~the centering~~ a locating pin ~~[[12]]~~ 12' has been moved out of ~~[[the]]~~ a separate guide ~~channel~~ hole ~~[[11]]~~ 11' to the extent necessary. The ~~[[guide]]~~ locating pin ~~[[12]]~~ 12' is, for example, equipped with an outer threading that cooperates with a ~~threaded~~ threading in the guide hole 11' in the portion 9A of the clamping section 9 for a back and forth movement as shown by arrow A. The threaded hole 11' for the locating pin 12' has a pin axis extending at an angle to the drilling axis as shown in Figs. 2, 3, 4, 5 and 6. By rotating the ~~centering~~ locating pin ~~[[12]]~~ 12' with its handle 12A the ~~pin can~~ tip of the locating pin 12' can be moved out of the guide channel 11 to the extent necessary for the entrance and movement of the drill bit DB in the guide channel 11. Initially, the locating pin ~~[[12]]~~ 12' is rotated as shown by the rotation ~~[[angle]]~~ arrow to move the tip of the locating pin ~~[[12]]~~ 12' into engagement with the predrilled hole 5 or with the marked location 2. Once the clamping with the clamping drive lever ~~[[13]]~~ 13A is completed, the ~~centering~~ locating pin ~~[[12]]~~ 12' is rotated in the opposite direction out of

the guide channel 11 but remains in its own guide hole 11' and the drill bit DB can be inserted into the guide channel 11. When the drilling is completed, the drill bit DB is withdrawn by moving the handheld power drill 16 away from the clamping mechanism 1. The clamping drive lever ~~[[13]]~~ 13A is now moved in the opposite direction to release the clamping mechanism 1 from the components 3 and 4 for repositioning relative to another predrilled hole 5 and repetition of the work step sequence. It should be mentioned here, that the clamping drive with the cam 13 is self-locking so that a clamped position can only be released by operating of the clamping drive lever 13A.

Please **replace** the paragraph at **page 12, lines 5 to 22**, with a replacement paragraph amended as follows:

Fig. 3 illustrates the combination of a clamping mechanism 1 as shown in Figs. 1 and 2 in cooperation with a pneumatically driven tool 19 having a tool head 19A for driving a drill bit DB. The tool head 19A provides an automatic feed advance of the drill bit DB as is conventional. In order to assure a precise positioning of the tool 19 with its head 19A relative to the guide channel 11 an adapter 20 is positioned next to the entrance of the guide channel 11. The adapter 20 can be used alone as a guide element or it may be combined with the guide ~~bushing~~ channel 11 as shown in Fig. 3. When the adapter 20 is used alone, it takes over the function of the guide ~~bushing~~ channel 11 and a coupling function to secure the tool head

19A in an aligned position relative to the first clamping section 9 to which the adapter 20 would be connected if there is no guide ~~bushing~~ channel 11. Any conventional chucking mechanism can be used to work as the adapter 20. Conventional clamping mechanisms, locking mechanisms, or circular wedge chucks may be used. The latter are, for example disclosed in German Patent Publication DE 199 45 097 A1. Fig. 3 also shows a separate guide hole 11' for the locating pin 12' which extends at an angle to the guide channel 11 for the drill bit DB.

Please **replace** the paragraph at **page 12, line 23 to page 13, line 3**, with a replacement paragraph amended as follows:

Fig. 4 illustrates an embodiment in which the second clamping section 10 is equipped with a clamping screw 21 that can move the pressure member 15 against the components 3, 4 to be clamped. The pressure member 15 is preferably an integral part of the clamping screw 21 and is also equipped with a cavity 15A as described above. The clamping screw 21 has the advantage that the clamping force can be exactly selected or dosed. In Fig. 4 the locating pin 12' also extends at an angle to the guide channel 11 for the drill bit DB.

Please **replace** the paragraph at **page 13, lines 4 to 17**, with a replacement paragraph amended as follows:

Fig. 5 illustrates an embodiment in which the clamping force is applied by a push rod 22 slidably mounted in the

housing 10A and operable by a lever 23 as indicated by the arrows 23A and 23B. When the push rod 22 is moved either back or forth as indicated by the double arrow 23A, locking pins, not shown, are disengaged from respective notches. When the push rod 22 is rotated as indicated by the arrow 23B at least one locking pin is engaged with a respective notch to hold the pressure member 15 in a clamping position as described above. Here again, the pressure member 15 is preferably an integral part of the push rod 22. Just as with the other embodiments an assembly worker can operate the clamping mechanism of Fig. 5 with one hand. These pressure application mechanisms with a push rod are known under the Trade name RAKO and are manufactured by the Firm DE-SAT-CO. In Fig. 5 the locating pin 12' also extends at an angle to the guide channel 11 for the drill bit DB.

Please **replace** the paragraph at **page 13, line 18 to page 14, line 2**, with a replacement paragraph amended as follows:

In Fig. 6 the second clamping section 10 is equipped with a piston cylinder device 24 that is preferably operated by pneumatic pressure. However, hydraulic pressure may also be employed for moving the pressure member 15 into the clamping position. In this embodiment the pressure member 15 forms part of the piston inside the cylinder formed by the housing 10B which is connected to a pressure supply line. Otherwise, the structure and function is the same as described above. Preferably, the pressure member 15 with its cavity 15A is an integral part of the piston in the

cylinder or housing 10B. In Fig. 6 the locating pin 12'  
also extends at an angle to the guide channel 11 for the  
drill bit DB.

**[RESPONSE CONTINUES ON NEXT PAGE]**